. . . connecting your business

AirLancer Extender O-D80g

Professional 2.4 GHz sector antenna with polarization diversity

- Sektor antenna with 80° beam width and 8.5 dBi gain
- Signal improvement of at least 3 dB from polarization diversity
- 2.4 GHz / IEEE 802.11b/g
- Mounting kit, cables and adapters included
- Design optimized for all LANCOM access points

The AirLancer Extender O-D80g sector antenna from LANCOM Systems is a high-end product for the coverage of open spaces, warehouses, production facilities and hotspots with 5-GHz wireless LANs. Constructed as two antennas each with polarization rotated by 90°. This provides an improvement of at least 3 dB for WLAN connections in problematic environments, e.g. with reflection and cancellation.

LANCOM
Systems

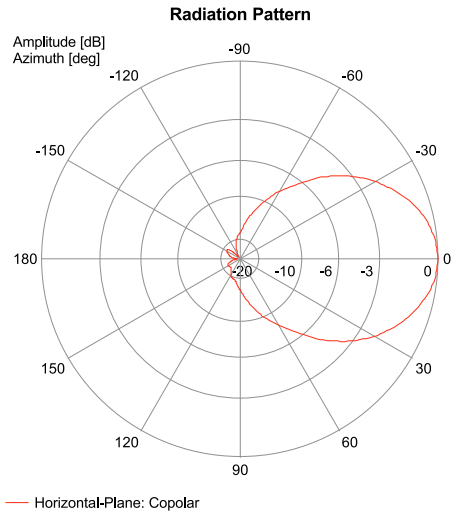
AirLancer Extender O-D80g

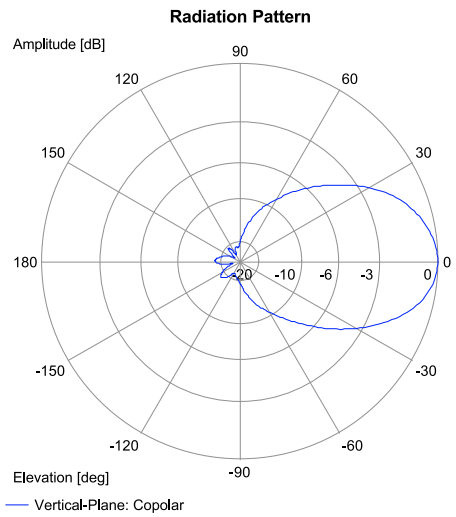
Technical data	
Range / Data rate	The range depends on the WLAN client adapter in use and the environmental conditions. Guideline value: ca. 100m. Polarization diversity improves data rates by 70 to 100%.
Frequency range	2300-2500 MHz
VSWR	1.5
Impedance	50 Ohms
Polarization	dual linear, +- 45°
Gain	8.5dBi
3dB directivity pattern horizontal	80°
3dB directivity pattern vertical	70°
Downtilt	0°
Isolation between connectors	30dB
Front to back ratio	18dB
Max. power	75W at 25°C
Mechanical data	
Dimensions	101 x 95 x 35 mm (l x b x h)
Weight	0.11 kg
Housing material	Plastics ASA and aluminium
Colour	Lightgrey
Operating temperature	-45° to +80°C
Storage temperature	-45° to +80°C
Windload @ survival speed	15N @ 160 km/h
Accessories	
cable	2 x 1m N plug to TNC jack
Adapter	2 x 15cm reverse SMA to N
installation material	For wall and pylon mounting
Approvals	
	The antenna is suitable for operation with LANCOM Wireless base stations only. The overall system meets CE standards and may be operated in those countries where the access point is notified. The system is only to be operated under strict observation of the guidelines for the use of frequency ranges and transmission power. For this purpose, LANCOM access points feature a setting for transmission power. Further information is available in the LANCOM Reference Manual and at www.lancom.de
Warranty	2 years
Item no.	61221
Additional LACOM article	
AirLancer Cable NJ-NP 3m, 6m, 9m	Extension cable item no. 61230, 61231, 61232
AirLancer Extender SA-5	Antenna cable surge protector, item no. 61212

AirLancer Extender O-D80g

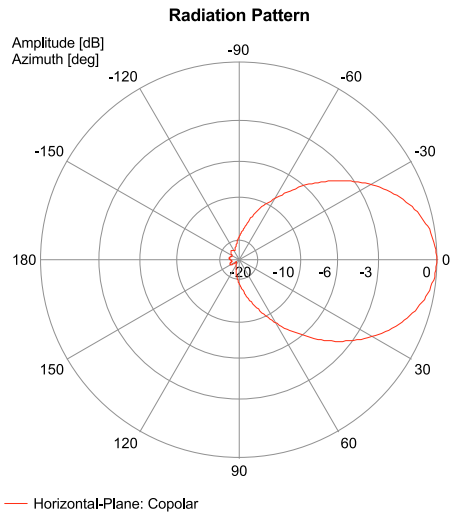
Directivity pattern

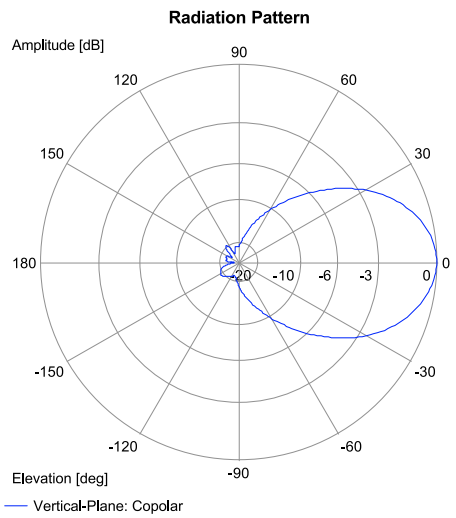
Left Slant





Right Slant





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